



Quick Installation Guide

3301670

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Version 1.0

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Package Contents

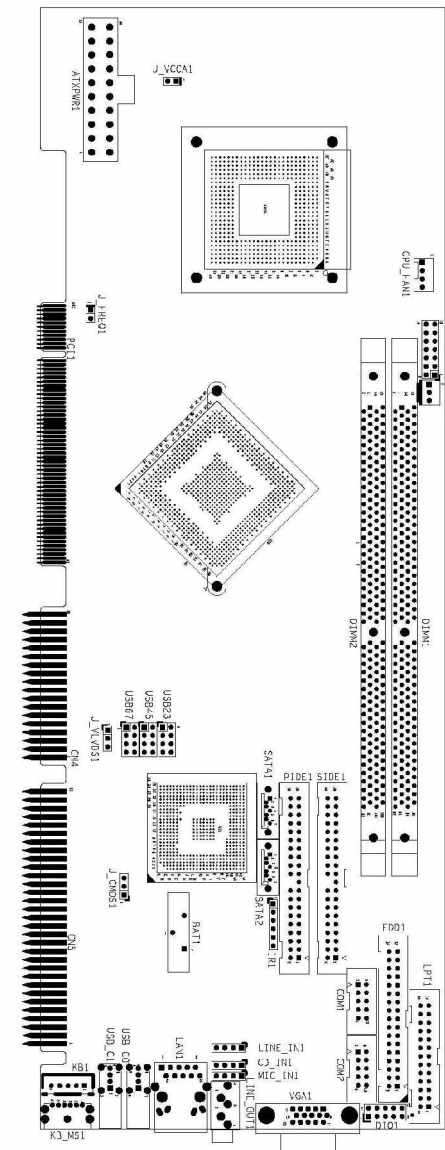
3301670 package includes the following items:

- ò 1 x 3301670 single board computer
- ò 1 x ATA 66/100 flat cable
- ò 2 x SATA cable
- ò 1 x SATA power cable
- ò 1 x Keyboard/ PS2 mouse Y cable
- ò 1 x RS-232 cable
- ò 1 x USB cable
- ò 1 x mini jumper pack
- ò 1 x Utility CD
- ò 1 x QIG (quick installation guide)

Specifications

- ò CPU: Intel® CPU Pentium® M / Celeron® M support 533/400 MHz FSB up to 2.26Ghz
- ò System Chipset: SiS 661CX + SiS 964
- ò BIOS: AMI Flash BIOS
SMIBIOS (DMI) compliant
Console redirection function support
PXE (**P**re-**B**oot **E**xecution **E**nvironment) support
USB booting support
- ò System Memory
2 x DDR 184-pin sockets of 400/333MHz DDR SDRAM up to 2GHz
- ò Ethernet: Realtek RTL8110S GbE
- ò I/O
I/O Interface:
2 x RS-232 by 2 x 5 pin header
1 x LPT by 2 x 13 pin header
1 x IrDA by 1 x 5 pin header
8 x USB 2.0 / 6 by 2 x 4 pin header
2 x SATA-150 connectors
2 x ATA-100 Channel
1 x FDD by 2 x 17 Pin header
1 x PS2 Keyboard / Mouse
2 x 5 Pin header for 4 input / 4 output GPIO
- ò Super I/O: Winbond W83697HG
- ò Display: CRT integrated in SiS 661CX Dual
24-Bit LVDS integrated in SiS 661CX
- ò Audio: AC'97 Audio CODEC
- ò Power supply: 4 pin ATX 12V, AT/ATX support
- ò Power Consumption:
+5V @ 6.59 A, +12V @0.12 A (Intel Pentium M 2.13G/2M/533, 2GB DDR 400)
- ò Temperature: 0 ~ 60°C (32 ~ 140°F)
- ò Watchdog timer: software programmable supports 1~255 sec. system reset
- ò Dimension: 380(W)mm x 133(L)mm
- ò Weight: 1.1Kg

Board Layout: Jumper and Connector Locations



F_PANEL1 : PWR & RST Buttons and Indicators panel					
	PIN	DESCRIPTION	PIN	DESCRIPTION	
Power LED	1	+5V	2	+5V	Speaker
	3	N/C	4	N/C	
	5	GROUND	6	N/C	
PWRBTN	7	PWRBTN-	8	Speaker	RESET
	9	GROUND	10	N/C	
HDDLED	11	+5V	12	Reset	RESET
	13	HDLED-	14	Ground	

DIO1 : Digital Input / Output Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	Ground	2	VCC
3	Output 3	4	Output 2
5	Output 1	6	Output 0
7	Input 3	8	Input 2
9	Input 1	10	Input 0

LINE_IN1: Audio LINE-IN Connector (Input)			
CD_IN1: Audio CD-IN Connector (Input)			
MIC_IN1: Audio MIC-IN Connector (Input)			
PIN NO.	DESCRIPTION		
	LINE-IN	CD-IN	MIC-IN
1	LEFT	LEFT	MIC-IN
2	GND	GND	GND
3	GND	GND	GND
4	RIGHT	RIGHT	NC

KB1 : 5-pin Header Keyboard Connector	
PIN	DESCRIPTION
1	KEYBOARD CLOCK
2	KEYBOARD DATA
3	N/C
4	GROUND
5	VCC

Ordering Information

3301670B

PICMG 1.0 Socket 479 Intel PentiumM/Celeron M FSB533Mhz CPU Card with VGA, LVDS, GbE, Audio and SATA

3301670D

PICMG 1.0 ULV Intel Celeron M 800 zero cache CPU Card with VGA, LVDS, GbE, Audio and SATA

3301670A

PICMG 1.0 Socket 479 Intel PentiumM/Celeron M FSB533Mhz CPU Card with VGA, GbE, Audio and SATA

3301670C

PICMG 1.0 ULV Intel Celeron M 800 zero cache CPU Card with VGA, GbE, Audio and SATA

Optional:

1. Socket 479 type CPU Cooler
2. FDD cable
3. LPT cable

Jumpers setting and Connectors

LABEL	FUNCTION
J_COMS1	CMOS state setting
J_FREQ1	CPU Frequency Selection
J_VCCA1	VCCA Voltage Selection
J_VLVD1	LVDS Voltage Selection

LABEL	FUNCTION
KB_MS1	PS/2 MOUSE & KEYBOARD Connector
USB_C0 USB_C1	USB Port Connector
LAN1	LAN RJ45 Connector
VGA1	VGA 15-pin Female Connector
LINE_OUT1	External Audio Headphone Jack
LPT1	Parallel Port Connector
PIDE1 SIDE1	IDE Connectors
FDD1	FDC Connector
COM1 COM2	Internal Serial Port 10-pin Connectors
USB23 USB45 USB67	Internal 6 Port USB Connectors
IR1	IrDA Infrared Interface Connector
CPU_FAN1	CPU Fan Connectors
ATXCTL1	Backplane to Main Board ATX Power Control Connector
SATA1 SATA2	Serial ATA Connectors
DIO1	Digital I/O Connector
F_PANEL1	PWR & RST Buttons and Indicators
KB1	External 5-pin Header Keyboard Connector
LINE_IN1	Audio LINE-in Connector
CD_IN1	Audio CD-in Connector
MIC_IN1	Audio MIC-in Connector

J_COMS1 : Clear CMOS Setp	
	DESCRIPTION
1-2	Clear CMOS Setup
2-3 (default)	Keep CMOS Setup (Normal Operation)

J_FREQ1 :CPU Frequency Selection					
1-2	CPU	SRC	ZCLK	AGP	USB
Open	400 MHz	100 MHz	133.33 MHz	66.66 MHz	12.00 MHz
Short	533 MHz				

J_VCCA1 :CPU VCCA Voltage Selection	
1-2	CPU \
Open	400MHz
Short	533MHz

J_VLVDS1 :LVDS Voltage Selection	
J_VLVDS	DESCRIPTION
1-2	+5V LVDS
2-3	+3.3V LVDS

COM1 & COM2 : Internal Serial Port Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	DATA CARRIER DETECT (DCD)	6	DATA SET READY (DSR)
2	RECEIVE DATA (RXD)	7	REQUEST TO SEND (RTS)
3	TRANSMIT DATA (TXD)	8	CLEAR TO SEND (CTS)
4	DATA TERMINAL READY (DTR)	9	RING INDICATOR (RI)
5	GROUND (GND)	10	N/C

USB23 USB45 USB67 : Internal USB Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1.	VCC	2.	GROUND
3.	DATA-	4.	DATA+
5.	DATA+	6.	DATA-
7.	GROUND	8.	VCC

CPU_FAN1 : CPU Fan Connector	
PIN	DESCRIPTION
1	Ground
2	+12V
3	Rotation Signal
4	Control

ATXCTL1: Backplane to Mainboard ATX Connector	
PIN	DESCRIPTION
1	GND
2	PS_ON#
3	5VSB

Any advice or comments about our products and service, or anything we can help you with please don't hesitate to contact with us. We will do our best to support you for your products, projects and business

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